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OUR 1967 GRADUATES FIVE YEARS LATER

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The information in this report covers the B.S. Degree graduates of the College of Engineering at the University of Illinois, Urbana, Illinois, five years after graduation.

We are sorry for the delay in getting the completed report to the graduates who furnished us with the information which made it possible to complete the report. There were many delays and circumstances conspired to make an earlier publication date impossible. We thank each and every one of the graduates for their participation and their patience.

It is hoped that the information will be interesting to both the 1967 graduates and the companies that employ them. Suggestions for improvement will be gratefully accepted.

(Mrs.) Pauline V. Chapman

Pauline V. Chapman

Placement Director
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FIVE-YEAR SALARY PROGRESS OF ENGINEERING GRADUATES WHO RECEIVED A B.S. DEGREE IN 1967

	Number of Questionnaires Sent	Number of Questionnaires Returned	Percent of Return	Military Service	Currently in Graduate School	Miscellaneous	Number Employed	Average Monthly Salary -- 1972	High Monthly Salary -- 1972	Low Monthly Salary -- 1972	Average Starting Salary -- 1967	Percent of Increase -- 1967-1972
All Engineers	616[1]	358	58.11%	5.59% 20	3.07% 11	1.40% 5	89.94% 322	$1232.	$3600.[3]	$ 600.	$730.	68.77%[2]
Aero. E.	59	26	44.07%	5	1	0	20	1132.	1500.	940.	717.	57.88%
Ag. E.	17	12	70.59%	2	0	1	9	1096.	1300.	870.	664.	65.06%
Ceram. E.	13	7	53.85%	0	0	0	7	1316.	1667.	1100.	671.	96.12%
Civil E.	104	61	58.65%	4	1	0	56	1240.	1800.	895.	712.	74.15%
Elec. E.	206	119	57.77%	7	3	3	106	1244.	2000.	600.	742.	67.65%
E. Mech.	11	9	81.82%	0	1	0	8	1332.	1750.	1100.	711.	87.34%
E. Phys.	18	10	55.56%	0	2	1	7	1181.	1440.	892.	747.	58.10%
Gen. E.	33	18	54.55%	0	1	0	17	1251.	1750.	785.	736.	69.97%
Ind. E.	21	10	47.62%	0	0	0	10	1184.	1375.	1000.	730.	62.19%
Mech. E.	118	79	66.95%	2	2	0	75	1202.	1650.	700.	743.	61.77%
Met. E.	16	7	43.75%	0	0	0	7	1648.	3600.	1100.	697.	136.44%

[1] 639 original number sent - 23 returned incorrect address (3 A.A.E., 3 C.E., 7 E.E., 3 E.Phys., 5 M.E., 2 I.E.)
[2] Increase in starting salaries: 1967 to 1972 - 23.39%
[3] Highest salary - financial analysis with investment banking firm

SALARY COMPARISON FIGURES OF THOSE GRADUATES WHO HAVE COMPLETED AN ADVANCED DEGREE SINCE 1967 AND THOSE WHO HAVE NOT*

The following salary comparison figures require some explanation. It must be remebered that the one hundred thirty-six 1967 graduates who have completed an advanced degree have taken time out to complete the necessary academic work during the five years since their graduation in 1967. As a result, their years of employment will vary in proportion to the time required to complete this work. The salary figure on those graduates listed under "No Advanced Degree" represents a financial progress for the full five years while the salaries listed in the M.S. and Ph.D. columns may only represent financial progress of from one to four years less than the full five years.

	Total Employed	No Advanced Degree	M.S. in Original Field	M.S. in Other Technical Field	M.S. in Non-Technical Field	Ph.D. in Original Field	Ph.D. in Other Technical Field	M.B.A.	Other
All Engineers	322	186	69	12	5	9	2	38	1
Average Salary	$1232.	$1185.	$1267.	$1224.	$1088.	$1395.	$1281.	$1383.	$1160.
Aero. & Astro. Eng.	20	11	7	-	-	1	-	1	-
Average Salary	1132	1099.	1207.	-	-	1000.	-	1100.	-
Agricultural Eng.	9	7	2	-	-	-	-	-	-
Average Salary	1096.	1101.	1079.	-	-	-	-	-	-
Ceramic Eng.	7	5	-	-	-	1	-	1	-
Average Salary	1316.	1303.	-	-	-	1500.	-	1200.	-
Civil Eng.	56	32	14	3	2	-	-	5	-
Average Salary	1240.	1194.	1277.	1447.	1125.	-	-	1356.	-
Electrical Eng.	106	60	31	4	1	1	1	7	1
Average Salary	1244.	1209.	1293.	1129.	1100.	1633.	1083.	1397.	1160.
Eng. Mechanics	8	5	1	-	-	2	-	-	-
Average Salary	1332.	1325.	1250.	-	-	1392.	-	-	-
Eng. Physics	7	-	4	2	1	-	-	-	-
Average Salary	1181.	-	1276.	1135.	892.	-	-	-	-
General Eng.	17	6	-	1	-	-	1	9	-
Average Salary	1251.	1060.	-	1260.	-	-	1480.	1351.	-
Industrial Eng.	10	7	-	-	-	-	-	3	-
Average Salary	1184.	1147.	-	-	-	-	-	1270.	-
Mechanical Eng.	75	51	10	2	1	2	-	9	-
Average Salary	1202.	1178.	1251.	1150.	1200.	1300.	-	1273.	-
Metallurgical Eng.	7	2	-	-	-	2	-	3	-
Average Salary	1648.	1110.	-	-	-	1521.	-	2093.	-

*Of the 136 who completed an advanced degree 97 (71.32%) completed the degree as a full-time student and 39 (28.68%) completed the degree part-time while employed.

1967 GRADUATES PRESENTLY EMPLOYED AND WORKING ON ADVANCED DEGREES

	Total Working on Advanced Degrees	M.S. in Original Field	M.S. in Other Technical Field	M.S. in Non-Technical Field	Ph.D. in Original Field	Ph.D. in Other Technical Field	Ph.D. in Non-Technical Field	M.B.A.	Law	Other
All Engineers	71	21	5	3	3	1	1	33	2	2
Aero. E.	6	-	1	-	1	-	-	3	1	-
Ag. E.	3	1	1	-	-	-	-	1	-	-
Ceram. E.	4	3	-	-	-	-	-	1	-	-
Civil E.	8	1	-	-	1	-	-	5	-	1
Elec. E.	35	12	1	3	-	1	-	16	1	1
E. Mech.	2	1	1	-	-	-	-	-	-	-
E. Phys.	1	-	1	-	-	-	-	-	-	-
Gen. E.	1	-	-	-	-	-	-	1	-	-
Ind. E.	-	-	-	-	-	-	-	-	-	-
Mech. E.	11	3	-	-	1	-	1	6	-	-
Met. E.	-	-	-	-	-	-	-	-	-	-

CORRELATION BETWEEN SCHOLASTIC AVERAGE AND FINANCIAL PROGRESS 1967-1972

	Total Employed	1st Decile 5.000 - 4.457	2nd Decile 4.456 - 4.183	3rd Decile 4.182 - 4.000	4th Decile 3.999 - 3.831	5th Decile 3.830 - 3.704	6th Decile 3.703 - 3.568	7th Decile 3.567 - 3.414	8th Decile 3.413 - 3.319	9th Decile 3.318 - 3.209	10th Decile 3.208 - 3.000
All Engineers	322 $1232.	33 $1316.	33 $1329.	32 $1228.	32 $1206.	32 $1212.	32 $1203.	32 $1172.	32 $1198.	32 $1301.	32 $1154.
Aero. E.	20 1132.	3 1266.	1 1250.	2 1132.	2 985.	1 1136.	- -	2 1020.	4 1147.	3 1160.	2 1057.
Ag. E.	9 1096.	1 1300.	- -	1 1244.	4 1075.	- -	- -	1 1105.	- -	- -	2 960.
Ceram. E.	7 1316.	1 1200.	2 1340.	1 1200.	- -	1 1100.	- -	- -	1 1667.	1 1367.	- -
Civil E.	56 1240.	5 1373.	7 1318.	6 1293.	5 1216.	4 1149.	7 1153.	9 1199.	4 1196.	6 1197.	3 1368.
Elec. E.	106 1244.	14 1298.	10 1294.	7 1185.	9 1265.	13 1249.	15 1244.	7 1180.	13 1204.	13 1316.	5 1040.
E. Mech.	8 1332.	- -	2 1572.	2 1319.	- -	- -	1 1204.	1 1215.	1 1360.	1 1100.	- -
E. Phys.	7 1181.	- -	2 1081.	2 1320.	- -	2 1053.	1 1360.	- -	- -	- -	- -
Gen. E.	17 1251.	3 1436.	1 1750.	3 1317.	1 975.	2 1337.	1 1075.	2 1225.	3 1010.	- -	1 1050.
Ind. E.	10 1184.	- -	2 1356.	- -	1 1200.	1 1150.	1 1255.	1 1100.	- -	2 1163.	2 1050.
Mech. E.	75 1202.	5 1281.	6 1334.	8 1164.	8 1204.	8 1222.	6 1145.	7 1188.	6 1208.	5 1092.	16 1195.
Met. E.	7 1648.	1 1375.	- -	- -	2 1523.	- -	- -	2 1110.	- -	1 3600.	1 1300.

RANGE OF 1972 SALARIES OF 1967 ENGINEERING GRADUATES

The monthly salaries are divided according to the degree held in 1972.

B.S. Degree

Salary	Total
$2000	1
1750	1
1700	1
1667	1
1575	1
1531	1
1525	1
1500	3
1497	1
1495	1
1475	1
1455	1
1450	1
1400	3
1367	1
1360	4
1350	3
1339	1
1333	1
1325	1
1315	1
1300	11
1293	1
1292	1
1290	1
1285	1
1280	1
1267	1
1265	2
1260	2
1258	1
1255	1
1250	12
1240	4
1225	1
1220	3
1215	1
1204	1
1202	1

Salary	Total
$1200	8
1190	2
1181	1
1180	1
1170	1
1167	1
1160	2
1155	1
1150	7
1148	1
1145	1
1140	2
1136	1
1135	1
1125	3
1120	3
1117	1
1114	1
1113	1
1112	1
1111	1
1110	1
1105	1
1103	1
1100	19
1087	1
1085	1
1083	1
1080	3
1076	1
1075	2
1060	2
1050	5
1040	4
1035	4
1025	2
1020	2
1017	1
1010	1
1000	2
985	1

Salary	Total
$ 975	3
970	1
960	1
950	1
940	1
920	1
895	1
870	1
866	1
785	1
700	1
600	1
	186

M.S. Degree

Salary	Total
$1700	1
1666	1
1608	1
1600	1
1583	1
1555	1
1530	1
1525	1
1500	3
1475	1
1468	1
1450	1
1440	1
1428	1
1419	1
1410	1
1400	3
1395	1
1366	1
1360	2
1350	1
1325	1
1319	1

Salary	Total
$1317	1
1300	3
1294	1
1270	1
1260	1
1250	6
1244	1
1240	1
1226	1
1210	1
1200	8
1192	1
1190	1
1167	1
1166	1
1165	1
1161	1
1160	1
1140	1
1120	1
1106	1
1105	1
1100	9
1093	1
1083	1
1070	1
1050	1
1010	1
1000	4
941	1
914	1
898	1
892	1
	86

Ph.D. Degree

Salary	Total
$1662	1
1633	1

Salary	Total
$1500	1
1480	1
1400	1
1395	1
1389	1
1375	1
1200	1
1083	1
1000	1
	11

M.B.A. Degree

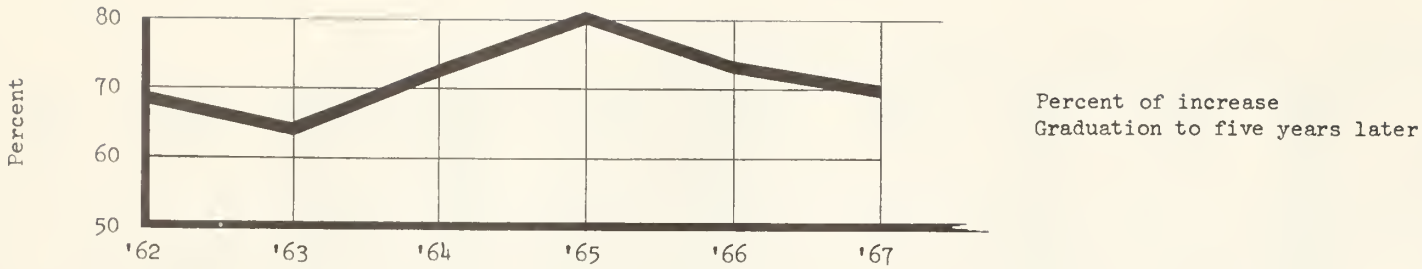
Salary	Total
$3600	1
1800	2
1750	1
1650	1
1600	2
1460	1
1410	1
1403	1
1400	2
1380	2
1375	1
1337	1
1333	1
1325	2
1300	2
1292	1
1265	1
1240	1
1230	1
1225	1
1210	1
1200	2
1175	1
1150	3
1100	2
1067	1

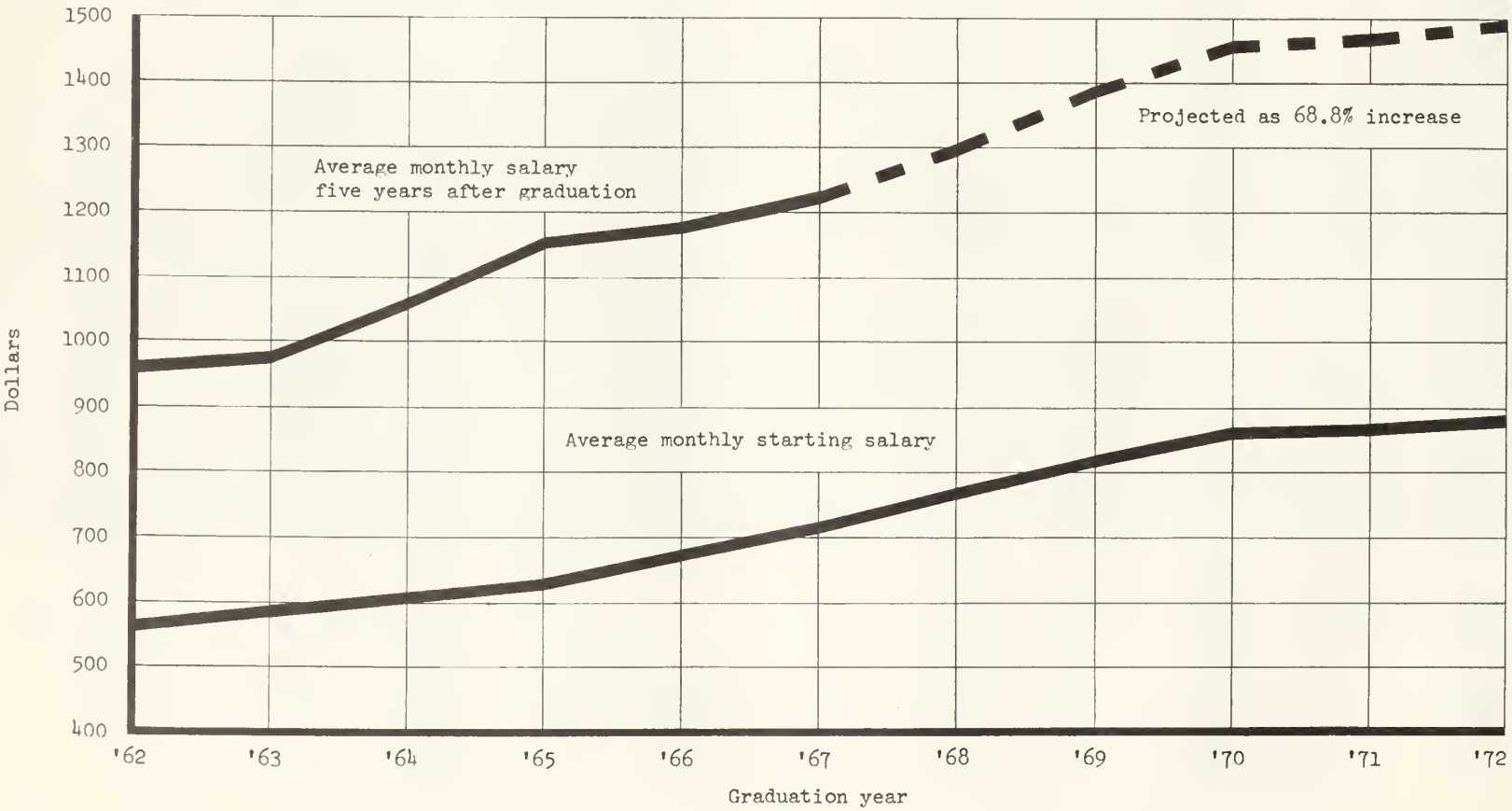
Salary	Total
$1050	1
850	1
	38

Other

Salary	Total
$1160	1
	1

A STUDY OF AVERAGE MONTHLY SALARIES





JOB CHANGES SINCE 1967

			No Change			One Change			Two Changes			Three Changes		
Total Percent of Change		Total Employed	Number Employed	Total Percent of No Change	Average Salary	Number Employed	Total Percent of Change	Average Salary	Number Employed	Total Percent of Change	Average Salary	Number Employed	Total Percent of Change	Average Salary
39.75%	All Engineers	322	194	60.25%	$1230.	83	25.78%	$1258.	39	12.11%	$1201.	6	1.86%	$1160.
50.00%	Aero. E.	20	10	50.00%	1179.	4	20.00%	1076.	3	15.00%	1113.	3	15.00%	1070.
55.55%	Ag. E.	9	4	44.44%	1116.	3	33.33%	1054.	2	22.22%	1120.	-	-	-
71.43%	Ceram. E.	7	2	28.57%	1300.	4	57.14%	1237.	1	14.29%	1667.	-	-	-
57.14%	Civil E.	56	24	42.86%	1248.	18	32.14%	1180.	14	25.00%	1303.	-	-	-
30.19%	Elec. E.	106	74	69.81%	1242.	21	19.81%	1313.	9	8.49%	1107.	2	1.89%	1250.
37.50%	E. Mech.	8	5	62.50%	1253.	2	25.00%	1572.	1	12.50%	1250.	-	-	-
14.29%	E. Phys.	7	6	85.71%	1178.	1	14.29%	1200.	-	-	-	-	-	-
41.18%	Gen. E.	17	10	58.82%	1274.	5	29.41%	1353.	2	11.76%	880.	-	-	-
40.00%	Ind. E.	10	6	60.00%	1194.	3	30.00%	1191.	1	10.00%	1100.	-	-	-
36.00%	Mech. E.	75	48	64.00%	1209.	20	26.67%	1180.	6	8.00%	1211.	1	1.33%	1250.
28.57%	Met. E.	7	5	71.43%	1328.	2	28.57%	2450.	-	-	-	-	-	-

REASONS FOR CHANGING POSITIONS

Some attempt has been made to combine the following list of reasons. Many respondents said the same things in different words. For greater ease of evaluation, the reasons have been divided into categories.

REASONS COVERING ACTUAL WORK ASSIGNMENTS

31 better opportunity
15 no chance for advancement
15 did not like work
11 more responsibility
9 no job challenge
6 to gain experience
5 change in field of interest
2 did not use engineering skills
1 not suited for job
1 technical growth
1 too much superintending
1 too specialized
1 wider range of duties

LAY-OFFS

41 lay-offs
3 company closed
3 company relocated
2 short-term non-union trade jobs
1 temporary position
1 contract terminated

PERSONAL REASONS

10 to relocate
2 did not wish to relocate
1 started own company
1 became founder in new company
1 health
1 entered family business

FURTHER EDUCATION

20 to return to school

REASONS CONCERNING COMPANY POLICIES

4 poor working conditions
2 personality conflict
1 poor management
1 restricted promotion
1 too unionized
1 more benefits
1 lack of recognition

SALARY

15 more money
4 insufficient salary for accomplishments

MILITARY SERVICE

19 entered military service

PRESENT GEOGRAPHIC LOCATION OF 1967 ENGINEERING GRADUATES

Location	All Engineers	Percent	Geographical Location 1967	Aero. E.	Ag. E.	Ceram. E.	Civil E.	Elec. E.	E. Mech.	E. Phys.	Gen. E.	Ind. E.	Mech. E.	Met. E.
Illinois	138	42.86%	47.38%	-	6	1	30	48	2	2	8	5	33	3
California	31	9.63%	10.47%	6	-	3	5	11	1	1	1	-	3	-
Michigan	14	4.35%	2.62%	2	1	-	2	4	-	-	-	-	4	1
Indiana	12	3.73%	4.19%	-	1	-	2	1	1	1	1	-	4	1
New York	12	3.73%	2.36%	-	-	-	2	4	1	1	1	-	2	1
New Jersey	10	3.11%	1.83%	2	-	-	1	5	-	-	-	-	1	1
Missouri	9	2.79%	2.62%	2	-	-	1	-	1	-	1	-	4	-
Ohio	9	2.79%	2.62%	2	-	-	1	1	-	2	-	-	3	-
Arizona	8	2.48%	1.57%	-	-	-	1	5	-	-	1	-	1	-
Colorado	8	2.48%	.26%	-	-	-	1	6	-	-	-	-	1	-
Wisconsin	8	2.48%	2.88%	-	1	1	-	2	-	-	1	-	3	-
Pennsylvania	7	2.17%	4.97%	1	-	2	-	-	-	-	1	1	2	-
Texas	7	2.17%	3.93%	1	-	-	1	3	1	-	-	-	1	-
Maryland	6	1.86%	.26%	-	-	-	1	3	-	-	1	-	1	-
Massachusetts	5	1.55%	1.57%	-	-	-	1	2	-	-	-	-	2	-
Minnesota	5	1.55%	1.57%	-	-	-	-	3	-	-	-	-	2	-
Virginia	5	1.55%	1.05%	-	-	-	2	1	1	-	-	-	1	-
Iowa	4	1.24%	1.83%	-	-	-	-	2	-	-	-	-	2	-
Connecticut	3	.93%	.79%	-	-	-	-	1	-	-	-	1	1	-
S. Carolina	3	.93%	-	-	-	-	1	-	-	-	1	-	1	-
Washington (State)	3	.93%	1.57%	1	-	-	-	1	-	-	-	-	1	-
Kentucky	2	.62%	.52%	1	-	-	-	-	-	-	-	-	1	-
New Mexico	2	.62%	-	-	-	-	-	2	-	-	-	-	-	-
Alabama	1	.31%	-	-	-	-	-	1	-	-	-	-	-	-
Georgia	1	.31%	.26%	1	-	-	-	-	-	-	-	-	-	-
Idaho	1	.31%	-	-	-	-	1	-	-	-	-	-	-	-
Kansas	1	.31%	-	-	-	-	-	-	-	-	-	1	-	-
Louisiana	1	.31%	.52%	-	-	-	1	-	-	-	-	-	-	-
Nebraska	1	.31%	-	-	-	-	1	-	-	-	-	-	-	-
N. Carolina	1	.31%	-	-	-	-	1	-	-	-	-	-	-	-
Oregon	1	.31%	-	-	-	-	-	-	-	-	-	1	-	-
Rhode Island	1	.31%	.26%	-	-	-	-	-	-	-	-	1	-	-
Washington, D.C.	1	.31%	1.05%	1	-	-	-	-	-	-	-	-	-	-
Puerto Rico	1	.31%	-	-	-	-	-	-	-	-	-	-	1	-
Florida	-	-	.79%	-	-	-	-	-	-	-	-	-	-	-
W. Virginia	-	-	.26%	-	-	-	-	-	-	-	-	-	-	-
Totals	322	100.00%		20	9	7	56	106	8	7	17	10	75	7

THE EMPLOYED 1967 GRADUATES ARE NOW EMPLOYED BY THE FOLLOWING TYPES OF COMPANIES

Type of Company	All Engineers	Percent	1972 Average Salary	Aero. E.	Ag. E.	Ceram. E.	Civil E.	Elec. E.	E. Mech.	E. Phys.	Gen. E.	Ind. E.	Mech. E.	Met. E.
Aircraft, Missile, & Space	37	11.49%	$1160.	10 $1123.	- -	1 $1100.	- -	14 $1207.	1 $1100.	1 $1360.	- -	- -	10 $1125.	- -
Data Processing	21	6.52%	1308.	- -	- -	- -	- -	11 1275.	- -	1 1440.	1 $1075.	- -	6 1375.	2 $1340.
Public Utilities	20	6.21%	1239.	1 970.	- -	- -	- -	14 1231.	- -	1 1270.	2 1432.	- -	2 1226.	- -
Communications Equipment	17	5.29%	1306.	- -	- -	- -	- -	13 1291.	- -	- -	1 1480.	1 $1255.	2 1342.	- -
Construction & Building Materials	17	5.29%	1310.	1 1100.	- -	- -	14 $1343.	- -	- -	- -	- -	1 1167.	1 1210.	- -
Electronics	17	5.29%	1322.	- -	- -	1 1667.	- -	15 1313.	- -	1 1106.	- -	- -	- -	- -
Federal Government	16	4.97%	1282.	1 1500.	1 $1105.	- -	2 1385.	9 1217.	1 1750.	- -	- -	- -	2 1218.	- -
Consulting Engineers	15	4.66%	1231.	- -	- -	- -	11 1196.	1 1114.	- -	- -	1 1750.	- -	2 1225.	- -
Electrical Equipment	15	4.66%	1143.	- -	1 870.	1 1367.	- -	5 1217.	- -	- -	3 1005.	1 1000.	4 1203.	- -
Metal & Metal Products	14	4.35%	1180.	- -	1 1050.	1 1181.	- -	- -	1 1360.	- -	1 1230.	1 1160.	7 1189.	2 1110.
State Government	14	4.35%	1093.	- -	1 1145.	- -	13 1089.	- -	- -	- -	- -	- -	- -	- -
Heavy Equipment Manufacturing	12	3.73%	1151.	- -	3 1161.	1 1200.	- -	- -	2 1209.	- -	- -	- -	6 1118.	- -
Schools	12	3.73%	1159.	1 1000.	- -	- -	2 1277.	5 1175.	1 1389.	2 946.	- -	- -	1 1200.	- -
Research Laboratory	11	3.41%	1340.	- -	- -	1 1500.	- -	5 1355.	2 1322.	- -	- -	- -	2 1225.	1 1375.
Chemical & Chemical Products	10	3.11%	1230.	- -	- -	- -	1 1260.	2 1284.	- -	- -	- -	- -	7 1211.	- -

(Continued on following page.)

THE EMPLOYED 1967 GRADUATES ARE NOW EMPLOYED BY THE FOLLOWING TYPES OF COMPANIES (continued)

Type of Company	All Engineers	Percent	1972 Average Salary	Aero. E.	Ag. E.	Ceram. E.	Civil E.	Elec. E.	E. Mech.	E. Phys.	Gen. E.	Ind. E.	Mech. E.	Met. E.
Controls & Instrumentation	9	2.79%	$1220.	- -	- -	- -	- -	8 $1211.	- -	- -	1 $1300.	- -	- -	- -
Automobile & Automotive Equipment	7	2.17%	1357.	1 $1100.	1 $1300.	- -	- -	- -	- -	- -	1 1260.	- -	3 $1391.	1 $1667.
Heating & Air Conditioning	6	1.86%	1221.	- -	- -	- -	1 $1800.	- -	- -	- -	1 1150.	1 $1200.	3 1058.	- -
Petroleum	6	1.86%	1252.	1 1300.	- -	- -	3 1103.	- -	- -	- -	- -	- -	2 1450.	- -
City & County Governments	5	1.55%	1264.	- -	- -	- -	5 1264.	- -	- -	- -	- -	- -	- -	- -
Food	5	1.55%	1188.	2 1120.	- -	- -	1 1400.	- -	- -	- -	- -	- -	2 1151.	- -
Miscellaneous Light Manufacturing	5	1.55%	1096.	- -	- -	- -	- -	- -	- -	- -	2 1021.	1 1150.	2 1143.	- -
Glass & Ceramics	3	.93%	1216.	- -	- -	1 $1200.	- -	- -	- -	1 $1200.	- -	- -	1 1250.	- -
Home Applicances, Recreation & Entertainment	3	.93%	1002.	- -	- -	- -	1 1040.	1 866.	- -	- -	- -	- -	1 1100.	- -
Nuclear & Electric Power Equipment	3	.93%	1390.	- -	- -	- -	1 1360.	- -	- -	- -	1 1410.	- -	1 1400.	- -
Food Machinery	2	.62%	997.	- -	1 915.	- -	- -	- -	- -	- -	- -	- -	1 1080.	-
Pharmaceutical Drugs	2	.62%	1229.	- -	- -	- -	- -	- -	- -	- -	- -	1 1375.	1 1083.	- -
Pollution Control & Water Treatment	2	.62%	1312.	1 1100.	- -	- -	1 1525.	- -	- -	- -	- -	- -	- -	- -
Printing	2	.62%	1218.	- -	- -	- -	- -	- -	- -	- -	- -	2 1218.	- -	- -

(Continued on following page.)

THE EMPLOYED 1967 GRADUATES ARE NOW EMPLOYED BY THE FOLLOWING TYPES OF COMPANIES (continued)

Type of Company	All Engineers	Percent	1972 Average Salary	Aero. E.	Ag. E.	Ceram. E.	Civil E.	Elec. E.	E. Mech.	E. Phys.	Gen. E.	Ind. E.	Mech. E.	Met. E.
Real Estate & Insurance	2	.62%	$1071.	- -	- -	- -	- -	- -	- -	- -	1 $1292.	- -	1 $ 850.	- -
Rubber & Plastics	2	.62%	1075.	- -	- -	- -	- -	- -	- -	- -	- -	1 $1100.	1 1050.	- -
Testing Laboratories	2	.62%	1155.	- -	- -	- -	- -	1 $1060.	- -	- -	- -	- -	1 1250.	- -
Building Contractor	1	.31%	700.	- -	- -	- -	- -	- -	- -	- -	- -	- -	1 700.	- -
Investment Banking	1	.31%	3600.	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	1 $3600.
Management Consultant	1	.31%	1200.	- -	- -	- -	- -	1 1200.	- -	- -	- -	- -	- -	- -
Office Machines	1	.31%	1292.	- -	- -	- -	- -	- -	- -	- -	- -	- -	1 1292.	- -
Optics	1	.31%	1100.	1 $1100.	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Public Accounting	1	.31%	1400.	- -	- -	- -	- -	- -	- -	- -	1 1400.	- -	- -	- -
Submarine	1	.31%	1100.	- -	- -	- -	- -	1 1100.	- -	- -	- -	- -	- -	- -
Transportation	1	.31%	1575.	- -	- -	- -	- -	- -	- -	- -	- -	- -	1 1575.	- -
Totals	322	100.00%		20	9	7	56	106	8	7	17	10	75	7

SIZE OF ORGANIZATIONS IN WHICH THE 1967 GRADUATES ARE NOW EMPLOYED

	All Engineers	Aero. E.	Ag. E.	Ceram. E.	Civil E.	Elec. E.	E. Mech.	E. Phys.	Gen. E.	Ind. E.	Mech. E.	Met. E.
Total Employed	322	20	9	7	56	106	8	7	17	10	75	7
0-50 Employees	18 5.59% $1212.	1 5.00% $1100.	1 11.11% $1105.	- - -	7 12.50% $1184.	6 5.66% $1375.	- - -	- - -	- - -	1 10.00% $1200.	2 2.67% $ 937.	- - -
51-150 Employees	23 7.14% $1260.	- - -	3 33.33% $1098.	- - -	10 17.86% $1258.	2 1.89% $1270.	1 12.50% $1395.	1 14.29% $ 892.	1 5.88% $1750.	- - -	4 5.33% $1309.	1 14.29% $1300.
151-500 Employees	39 12.11% $1204.	- - -	2 22.22% $1220.	2 28.57% $1283.	12 21.43% $1237.	5 4.72% $1238.	1 12.50% $1389.	1 14.29% $1000.	4 23.53% $1254.	3 30.00% $1083.	8 10.67% $1147.	1 14.29% $1100.
501-5,000 Employees	98 30.43% $1222.	7 35.00% $1127.	2 22.22% $ 892.	4 57.14% $1366.	11 19.64% $1302.	36 33.96% $1183.	- - -	- - -	7 41.18% $1128.	1 10.00% $1167.	27 36.00% $1185.	3 42.86% $2214.
5,000-10,000 Employees	29 9.01% $1228.	2 10.00% $1137.	- - -	- - -	8 14.29% $1277.	7 6.60% $1290.	- - -	1 14.29% $1106.	- - -	1 10.00% $1375.	10 13.33% $1162.	- - -
Over 10,000 Employees	115 35.71% $1249.	10 50.00% $1138.	1 11.11% $1244.	1 14.29% $1181.	8 14.29% $1151.	50 47.17% $1266.	6 75.00% $1313.	4 57.14% $1317.	5 29.41% $1320.	4 40.00% $1213.	24 32.00% $1261.	2 28.57% $1250.

THE 322 RESPONDENTS WHO ARE EMPLOYED ARE NOW EMPLOYED BY THE FOLLOWING COMPANIES

A & H Engineering Corporation	2 C.E.
Advanced Computer Techniques Corporation	1 M.E.
Advanced Technology Center, Incorporated	1 E.M.
Airesearch Manufacturing Company	1 M.E.
Alabama Power Company	1 E.E.
Aluminum Company of America (Alcoa)	2 M.E.
American Air Filter	1 A.A.E., 1 C.E.
American Can Company	1 M.E.
American Metal Climax	1 M.E.
American Microsystems, Incorporated	1 Ceram.E.
American Nickeloid Company	1 M.E.
Amoco Chemicals Corporation	1 M.E.
Anoka-Ramsey State Junior College	1 E.E.
Argonne National Laboratories	1 E.E., 1 Met.E.
Arizona Highway Department	1 C.E.
Arlington County Government	1 C.E.
Arthur Anderson & Company	1 E.E.
Ashland Chemical Company	1 M.E.
Autotron, Incorporated	1 E.E.
Babcock & Wilcox	1 E.M.
Baker Contracting Company	1 M.E.
Barber-Coleman Company	2 M.E.
Barber Greene Company	1 M.E.
Theodore Barry & Associates	1 G.E.
Barton-Aschman Associates	1 C.E.
Baxter Laboratories	1 I.E.
Bechtel Corporation	1 C.E., 1 M.E.
Bell System: (22)	
Bell Laboratories	2 E.E., 1 G.E., 2 M.E.
Illinois Bell Telephone Company	3 E.E., 1 G.E., 2 M.E.
Pacific Bell Telephone Company	1 A.A.E.
Sandia Corporation	2 E.E.
Western Electric Company	6 E.E., 1 I.E., 1 M.E.
Beltone Electronics	1 E.E.
Bendix Corporation	2 E.E., 1 M.E.
Bethlehem Steel Corporation	1 Ceram.E.
Blue Cross Association	1 G.E.
Bodine Electric Company	1 Ag.E.
Boeing Company	1 A.A.E., 1 E.E.
Borg Warner Mechanics Division	1 G.E.
Bradley University	1 C.E.
Butler Manufacturing Company	1 G.E.
California Company	1 G.E.
Camco Incorporated	1 E.E.

Carlton & Henshaw Engineers	1 C.E.
Carrier Air Conditioning Company	1 M.E.
Caterpillar Tractor Company	1 Ag.E., 2 F.M.
Charmin Paper Company	1 M.E.
Chase, Rosen & Wallace, Incorporated	1 E.E.
Chell & Anderson Company	1 C.E.
Chicago Board of Education	1 E.E.
Chicago Bridge & Iron	1 C.E.
Chicago Metropolitan Sanitary District	1 C.E.
Chrysler Corporation	1 Ag.E.
Columbia University	1 A.A.E.
Columbus Line Incorporated	1 M.E.
Combustion Engineering Company	1 M.E.
Commonwealth Edison Company	4 E.E., 1 E.P., 1 G.E.
Consoer, Townsend & Associates	1 C.E.
Consumers Power Company	1 E.E.
Control Data Corporation	3 E.E.
Corning Glass Company	1 M.E.
Chyphernetics Corporation	1 Met.E.
Dedelow, Incorporated	1 C.E.
Deere & Company	1 M.E.
Diablo Systems Incorporated	1 Ceram.E.
Digilab Incorporated	1 E.E.
Dixon Corporation	1 I.E.
R.R. Donnelley Company	1 I.E.
Dow Chemical Company	1 M.E.
Duncan Electric Company	1 G.E.
E.I. DuPont de Nemours Company	1 C.E., 1 M.E.
Elk Grove Village	1 C.E.
Emerson Piano Company	1 E.E.
Ernst & Ernst	1 G.E.
Essex International, Incorporated	1 Ag.E.
Esso Standard-Enjay Chemical Division	1 M.E.
E.T. Etnyre Company	1 Ag.E.
Exar Integrated Systems	1 E.E.
Fact Technical Service, Incorporated	1 C.E.
Falk Corporation	1 M.E.
FMC Corporation-Machinery Division	1 Ag.E.
Ford Motor Company	1 E.E., 1 M.E.
J.M. Foster, Incorporated	1 I.E.
Frito-Lay, Incorporated	1 A.A.E.
Fruin-Conlin, Incorporated	1 C.E.
Funk, Fletcher, Chen & Associates	1 C.E.
Gardner Denver Company	1 M.E.
G.C.O. Incorporated	1 A.A.E.
General Motors Corporation: (3)	
A.C. Spark Plug Division	1 M.E.
Electro-Motive Division	1 M.E.
Research Laboratory	1 Met.E.

General Telephone Company: (3)	
Automatic Electric	2 E.E.
General Telephone Company of Illinois	1 E.E.
General Dynamics Corporation	1 Ceram.E., 1 E.E.
General Electric Company	2 E.E., 1 E.M., 1 G.E., 3 M.E.
General Foods	1 M.E.
General Radio Corporation	1 E.E.
Glenbrook Laboratories	1 M.E.
B.F. Goodrich Aerospace Corporation	1 M.E.
Gould, Inc.	1 G.E.
Governors State University	1 E.E.
Gulf General Atomic	1 C.E.
Hallmark Cards	1 I.E.
Hewlett Packard Corporation	5 E.E.
Hiram Walker Company	1 C.E.
Holt Instrument Laboratories	1 E.E.
Honeywell, Incorporated	1 E.E., 1 G.E.
Hughes Aircraft	3 E.E.
Humble Oil & Refining Company	1 A.A.E.
Hunter Corporation	1 C.E.
Illinois Central College	1 C.E.
Illinois Power Company	2 E.E.
Illinois State University - Normal	1 M.E.
State of Illinois: (11)	
Division of Highways	5 C.E.
Department of Transportation	4 C.E.
Division of Vocational & Technical Education	1 C.E.
Division of Water Resources	1 Ag.E.
Industrial Nucleonics	1 E.E.
Inland-Ryerson Construction Products	1 C.E.
Inland Steel Company	1 M.E.
International Business Machines (I.B.M.)	6 E.E., 1 E.P., 1 G.E., 4 M.E.
International Harvester Company	1 M.E.
Jet Propulsion Laboratory	1 A.A.E., 1 M.E.
J.H.K. Associates	1 C.E.
Johnson & Johnson Company	1 E.E.
Kidder Peabody & Company	1 Met.E.
Kress Corporation	1 Ag.E.
Lago Oil & Transport Company	1 M.E.
Lakengren P.O.A.	1 C.E.
LaSalle Steel Company	1 Met.E.
Lincoln National Life Insurance Company	1 M.E.
Lockheed Missile & Space Corporation	4 A.A.E.
Louis-Allis Corporation	1 G.E.
Martin Marietta	1 E.E., 1 M.E.
McDonnell-Douglas Corporation	3 A.A.E., 1 E.M., 2 M.E.
S.M. McGaw Company	1 C.E.
McGraw Edison Power Systems	1 Ceram.E.

Mobile Oil Corporation	1 M.E.
Monsanto Company	1 M.E.
Morton Norwich Products, Incorporated	1 M.E.
Motorola, Incorporated	5 E.E.
Motorola Semiconductor Corporation	2 E.E.
Multigraphics	1 M.E.
National Accelerator Laboratory	1 E.E.
National Cash Register Company	1 M.E.
North Carolina Wildlife Resources Commission	1 C.E.
Niles Township High School	1 E.P.
Norden Division Rex Chainbelt Company	1 Ceram.E.
North American Rockwell Corporation	1 A.A.E., 1 E.E.
North American Rockwell -- Goss Division	1 M.E.
Northern Illinois Gas Company	1 E.E.
Ohmite Corporation	1 I.E.
Olin Corporation	1 I.E.
Owens Illinois Glass Company	1 E.P.
Packard Instrument Company	1 E.E.
Parker-Hannifin Company	1 M.E.
Penner Construction Company	1 C.E.
Philco-Ford	2 E.E.
Port of New York Authority	1 C.E.
R.C.A.	1 Ceram.E.
Republic Steel Company	1 Met.E.
Rockford Sanitary District	1 C.E.
Ross Laboratories	1 A.A.E.
Sangamon Electric Company	1 E.E.
Sargent & Lundy	1 E.E., 1 M.E.
Shell Oil Company	1 C.E.
J.E. Sirrine Company	1 C.E.
Sodemann & Associates	1 C.E.
Solon Board of Education	1 E.P.
Sperry Flight Systems	2 E.E., 1 G.F.
Spraying Systems Company	1 M.E.
Square D Company	1 E.E.
Sundstrand Corporation	2 E.E., 1 I.E., 2 M.E.
Symons Corporation	1 C.E.
Taylor Freezer Company	1 M.E.
Texaco	1 C.E.
Texas Instruments Company	2 E.E.
Trane Company	1 C.E.
Trunkline Gas Company	1 C.E.
TRW Systems	1 E.E., 1 E.P.
Turner Construction Company	1 C.E.
Underwriters Laboratory	1 E.E., 2 M.E.
Union Carbide Corporation	1 M.E.
Uniroyal Incorporated	1 M.E.

U.S. Government: (14)	
Army Electronics Laboratory -- Ft. Monmouth	2 E.E.
Army Weapons Command -- Rock Island	1 E.E., 1 M.E.
Bureau of Reclamation	1 C.E., 1 E.E.
Department of Defense -- Ft. Meade	1 E.E.
Environmental Protection Agency	1 C.E.
Geological Survey	1 Ag.E.
National Oceanic & Atmospheric Administration	1 E.E.
National Security Agency	1 E.E.
Naval Air Systems Command	1 A.A.E.
Navy Department	1 E.M.
Puget Sound Naval Shipyard	1 M.E.
U.S. Gypsum Company	2 C.E.
University of Illinois at Urbana-Champaign	2 E.E.
University of Missouri at Rolla	1 E.M.
Upjohn Company	1 E.E.
Vilter Manufacturing Company	2 M.E.
Volkswagen America	1 A.A.E.
Elton A. Wagner Company	1 C.E.
Washington State Highway Department	1 C.E.
Westenhoff & Novick, Incorporated	1 C.E.
Western Engineers, Incorporated	1 I.E.
Westinghouse Electric Company	2 E.E., 1 G.E., 1 M.E.
Whirlpool Corporation	1 M.E.
Wickes Corporation	1 A.A.E.
Wisconsin Power & Light Corporation	1 E.E.
Xerox Corporation	1 E.E., 1 Met.E.
Zenith Radio Corporation	2 E.E., 1 E.P.
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PRESENT FIELD OF PRIMARY RESPONSIBILITY

Field	All Engineers	Percent	1972 Average Salary	Aero. E.	Ag. E.	Ceram. E.	Civil E.	Elec. E.	E. Mech.	E. Phys.	Gen. E.	Ind. E.	Mech. E.	Met. E.
Design & Development	53	16.46%	$1231.	3 $1213.	2 $1007.	1 $1367.	2 $1230.	23 $1253.	3 $1184.	- -	4 $1305.	1 $1255.	14 $1209.	- -
Project Engineering	35	10.87%	1176.	3 1150.	- -	- -	4 1202.	9 1151.	- -	- -	1 1600.	1 1000.	16 1120.	1 $1120.
Management or Administration	32	9.94%	1338.	3 1056.	2 1095.	1 1667.	8 1370.	10 1433.	1 1750.	- -	2 1261.	- -	5 1248.	- -
Design	25	7.76%	1160.	1 1100.	2 1194.	- -	8 1118.	6 1225.	1 1360.	- -	- -	- -	7 1123.	- -
Sales	25	7.76%	1212.	1 1300.	1 870.	- -	4 1333.	8 1325.	- -	- -	1 785.	4 1154.	6 1131.	- -
Research	23	7.14%	1281.	1 1140.	2 1202.	2 1340.	- -	8 1239.	2 1392.	2 $1153.	- -	- -	4 1300.	2 1521.
Systems Engineering	15	4.66%	1261.	1 1080.	- -	- -	- -	7 1326.	- -	- -	2 1100.	2 1356.	3 1214.	- -
Construction	13	4.04%	1300.	- -	- -	- -	12 1304.	- -	- -	- -	- -	- -	1 1250.	- -
Testing	13	4.04%	1163.	1 1040.	- -	- -	1 1300.	6 1083.	- -	- -	- -	- -	5 1256.	- -
Consulting	12	3.73%	1224.	- -	- -	- -	5 1184.	2 1157.	- -	- -	2 1412.	1 1160.	1 1175.	1 1300.
Data Processing	11	3.41%	1164.	2 1120.	- -	- -	1 1155.	4 1130.	- -	1 1360.	1 975.	1 1100.	1 1455.	- -
Field Engineering	10	3.11%	1105.	2 1118.	- -	- -	4 1105.	3 1080.	- -	- -	- -	- -	1 1150.	- -
Development	8	2.49%	1279.	1 1250.	- -	1 1100.	- -	5 1288.	- -	1 1440.	- -	- -	- -	- -
Production	8	2.49%	1236.	- -	- -	- -	2 1172.	1 1525.	- -	1 1270.	- -	- -	2 1137.	2 1240.
Teaching	8	2.49%	1118.	1 1000.	- -	- -	2 1277.	2 1150.	- -	2 946.	- -	- -	1 1200.	- -
Manufacturing	6	1.86%	1316.	- -	- -	- -	- -	3 1276.	- -	- -	1 1410.	- -	2 1329.	- -
Planning	4	1.24%	1340.	- -	- -	- -	- -	2 1155.	- -	- -	- -	- -	2 1526.	- -
Service	4	1.24%	1157.	- -	- -	- -	- -	4 1157.	- -	- -	- -	- -	- -	- -

(Continued on following page.)

PRESENT FIELD OF PRIMARY RESPONSIBILITY (continued)

Field	All Engineers	Percent	1972 Average Salary	Aero. E.	Ag. F.	Ceram. E.	Civil E.	Elec. E.	E. Mech.	E. Phys.	Gen. E.	Ind. E.	Mech. E.	Met. E.
Marketing	3	.93%	$1180	- -	- -	1 $1200.	- -	1 $1240.	- -	- -	- -	- -	1 $1100.	- -
Application Engineering	2	.62%	1192.	- -	- -	- -	- -	1 1360.	- -	- -	- -	- -	1 1025.	- -
Finance & Financial Analysis	2	.62%	2432.	- -	- -	- -	- -	- -	- -	- -	1 $1265.	- -	- -	1 $3600.
Quality Control	2	.62%	1137.	-	-	1 1200.	- -	1 1075.	- -	- -	- -	- -	- -	- -
Computer Programming	1	.31%	1215.	- -	- -	- -	- -	- -	1 $1215.	- -	- -	- -	- -	- -
Cost Engineering	1	.31%	1350.	- -	- -	- -	- -	- -	- -	- -	- -	- -	1 1350.	- -
Maintenance	1	.31%	1260.	- -	- -	- -	1 $1260.	- -	- -	- -	- -	- -	- -	- -
Plant Engineering	1	.31%	1067.	- -	- -	- -	- -	- -	- -	- -	1 1067.	- -	- -	- -
Public Accounting	1	.31%	1400.	- -	- -	- -	- -	- -	- -	- -	1 1400.	- -	- -	- -
Public Works	1	.31%	1100.	- -	- -	- -	1 1100.	- -	- -	- -	- -	- -	- -	- -
Vocational Education	1	.31%	1250.	- -	- -	- -	1 1250.	- -	- -	- -	- -	- -	- -	- -
Company Owner	1	.31%	700.	- -	- -	- -	- -	- -	- -	- -	- -	- -	1 700.	- -
Totals	322	100.00%		20	9	7	56	106	8	7	17	10	75	7

PRESENT LEVEL OF RESPONSIBILITY

	All Engineers	Aero. E.	Ag. E.	Ceram. E.	Civil E.	Elec. E.	E. Mech.	E. Phys.	Gen. E.	Ind. E.	Mech. E.	Met. E.
All Engineers	322	20	9	7	56	106	8	7	17	10	75	7
Supervise a Small Group	200 62.11% $1192.	16 80.00% $1129.	4 44.44% $1033.	4 57.14% $1212.	17 30.36% $1204.	76 71.70% $1201.	7 87.50% $1329.	5 71.43% $1111.	12 70.59% $1166.	6 60.00% $1158.	49 65.33% $1196.	4 57.14% $1293.
Individual in a Group	83 25.78% $1263.	3 15.00% $1090.	4 44.44% $1171.	1 14.29% $1500.	21 37.50% $1200.	24 22.64% $1302.	1 12.50% $1360.	2 28.57% $1355.	4 23.53% $1495.	3 30.00% $1241.	19 25.33% $1238.	1 14.29% $1667.
Manage Major Group or Department	24 7.45% $1312.	1 5.00% $1300.	1 11.11% $1050.	2 28.57% $1433.	11 19.64% $1340.	3 2.83% $1428.	- - -	- - -	- - -	- - -	5 6.67% $1231.	1 14.29% $1100.
Plant Manager or Superin-tendent	4 1.24% $1452.	- - -	- - -	- - -	3 5.36% $1402.	1 .94% $1600.	- - -	- - -	- - -	- - -	- - -	- - -
Individual in Private Practice	4 1.24% $1241.	- - -	- - -	- - -	3 5.36% $1266.	- - -	- - -	- - -	- - -	1 10.00% $1167.	- - -	- - -
Top Executive	4 1.24% $2025.	- - -	- - -	- - -	1 1.79% $1040.	2 1.89% $1730.	- - -	- - -	- - -	- - -	- - -	1 14.29% $3600.
Branch Manager	1 .31% $ 700.	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	1 1.33% $ 700.	- - -
Other	2 .62% $1246.	- - -	- - -	- - -	- - -	- - -	- - -	- - -	1 5.88% $1292.	- - -	1 1.33% $1200.	- - -

HOW MANY ENGINEERS AND SCIENTISTS WORK IN THE ORGANIZATIONAL UNIT
TO WHICH YOU BELONG IN YOUR CURRENT MAJOR POSITION?

	All Engineers	Aero. E.	Ag. E.	Ceram. E.	Civil E.	Elec. E.	E. Mech.	E. Phys.	Gen. E.	Ind. E.	Mech. E.	Met. E.
None	18 5.59%	3 15.00%	- -	1 14.29%	2 3.57%	2 1.89%	- -	1 14.29%	4 23.53%	1 10.00%	4 5.33%	- -
1-3	58 18.01%	4 20.00%	1 11.11%	1 14.29%	22 39.29%	14 13.21%	- -	1 14.29%	1 5.88%	2 20.00%	10 13.33%	2 28.57%
4-10	97 30.12%	2 10.00%	6 66.67%	- -	13 23.21%	34 32.07%	2 25.00%	1 14.29%	7 41.18%	5 50.00%	25 33.33%	2 28.57%
11-20	60 18.63%	5 25.00%	2 22.22%	4 57.14%	8 14.29%	19 17.92%	2 25.00%	3 42.86%	2 11.76%	1 10.00%	13 17.33%	1 14.29%
21-50	56 17.39%	1 5.00%	- -	1 14.29%	9 16.07%	22 20.75%	1 12.50%	1 14.29%	2 11.76%	1 10.00%	17 22.67%	1 14.29%
51-100	14 4.35%	3 15.00%	- -	- -	- -	8 7.55%	- -	- -	- -	- -	2 2.67%	1 14.29%
101-300	13 4.04%	2 10.00%	- -	- -	1 1.79%	6 5.66%	2 25.00%	- -	- -	- -	2 2.67%	- -
Over 300	6 1.86%	- -	- -	- -	1 1.79%	1 .94%	1 12.50%	- -	1 5.88%	- -	2 2.67%	- -
Total	322	20	9	7	56	106	8	7	17	10	75	7

QUESTION CONCERNING THE VALUE OF ADDITIONAL DEGREES

Question: Rank in order (1, 2, 3) the value of additional degrees which you feel would be the most valuable to you.

	Order of Importance		
	1st	2nd	3rd
M.B.A.	145 45.03%	55 17.08%	18 5.59%
M.S. in Other Technical Field	29 9.01%	39 12.11%	52 16.15%
Law	35 10.87%	57 17.70%	25 7.76%
M.S. in Original Field	43 13.35%	34 10.56%	37 11.49%
Ph.D. in Original Field	26 8.07%	16 4.97%	29 9.01%
Other	14[1] 4.35%	15[2] 4.66%	21[3] 6.52%
Ph.D. in Other Technical Field	14 4.35%	16 4.97%	17 5.28%
No Choice Listed	16 4.97%	90 27.95%	123 38.20%
Total	322	322	322

[1]Other - 1st choice:
9 no field named
2 Ph.D. in Education
1 Ph.D. in Business
1 practical experience in a trade
1 real estate & construction
14

[2]Other - 2nd choice:
10 no field named
3 M.S. non-technical field
1 administration
1 education
15

[3]Other - 3rd choice:
19 no field named
1 computer science
1 marketing
21

QUESTIONS CONCERNING PRESENT POSITION AND ITS RELATION TO THEIR UNDERGRADUATE DEGREE

QUESTION: To hold your present position, is it important for you to have an engineering degree?

Yes	267	82.92%
No	55	17.08%
Total	322	100.00%

QUESTION: How much knowledge and skill, related to your undergraduate degree, do you apply in your present position?

Most or all	70	21.74%
Some	170	52.79%
Very little	70	21.74%
None	12	3.73%
Total	322	100.00%

QUESTION: On the average, how many hours do you spend on your job each week?

30 hours or less	1	.31%
31-40 hours	113	35.09%
41-45 hours	116	36.02%
46-50 hours	61	18.94%
51 or more hours	31	9.63%
Total	322	100.00%

QUESTION: If you have not received an advanced degree and are not working toward one, do you feel that this has been a limiting factor in your progress with your company?

Yes	17[1]	5.28%
No	140	43.48%
No answer	165	51.24%
Total	322	100.00%

[1]2--No reason given
"Would have been made director of research and development with a Ph.D."
"My position is interdisciplinary."
"I have been told one was needed."
"Generation of research proposals makes Ph.D. mandatory."
"All my associates have advanced degrees."
"Few venture capital companies will hire non-M.B.A.'s with a little experience."
"In aerospace, highly technical credentials are important."
"Need management knowledge to move up."
"Fast rate of growth in computer technology."
"An extra degree is the easiest possible way to convince others that you know something."
"Company philosophy parallels additional schooling with competence."
"Company finances and encourages advanced work."
"Because it is a sure factor in progress."
"Would leave the company if I had an advanced degree."

QUESTION CONCERNING UNDERGRADUATE CURRICULUM

QUESTION: If you had it to do all over again, would you choose:

197	61.18%	A specialized undergraduate engineering curriculum (e.g., M.E., E.E., etc.)
43	13.35%	Another type of undergraduate professional curriculum (e.g., pre-law, medicine)
40	12.42%	A common undergraduate engineering curriculum (no specialization)
20	6.21%	A business administration curriculum
10	3.11%	Another type of curriculum in mathematics or physical science (e.g., Phys., Chem.)
9	2.79%	Other
3	.93%	A liberal arts curriculum
322	100.00%	

QUESTION CONCERNING RECOMMENDATION

QUESTION: Based on the engineering field as you see it, would you encourage a capable high school student to choose engineering as a career?

Yes	229	71.12%
No	86	26.71%
No answer	7	2.17%
Total	322	100.00%

QUESTIONS CONCERNING PROFESSIONAL DEVELOPMENT

QUESTION: Have you become registered as:

1.	No registrations	192
2.	Engineer-In-Training	104
3.	Professional Engineer	32
4.	Surveyor	1

QUESTIONS CONCERNING PROFESSIONAL DEVELOPMENT (Continued)

QUESTION: Have you participated in any company professional or management programs?

Yes	157	48.76%
No	154	47.83%
No reply	11	3.41%
Total	322	100.00%

QUESTION: Have you held an office in any of the following organizations?

1.	Church	39
2.	Professional Organization	22
3.	Boy Scouts or Other Youth Groups	20
4.	Service Clubs	18
5.	Political	3

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